

**072104T4DPR**

**Dairy Processing Level 4**

**DA/OS /PM/CR/01/4/A**

**Collect Raw Milk**

**July/Aug 2023**



**TVET CURRICULUM DEVELOPMENT, ASSESSMENT AND CERTIFICATION  
COUNCIL (TVET CDACC)**

**PRACTICAL ASSESSMENT**

**INSTRUCTIONS TO THE ASSESSOR**

1. You are required to mark the practical as the candidate performs the tasks.
2. You are required to take video clips at critical points.
3. Ensure the candidate has an identification tag pinned at the back and front near the shoulders showing Candidate's name and registration code.

**OBSERVATION CHECKLIST**

<b>Candidate's name &amp; Registration No.</b>			
<b>Assessor's name &amp; Reg. code</b>			
<b>Unit(s) of Competency</b>	Collect Raw Milk		
<b>Venue of Assessment</b>			
<b>Date of assessment</b>			
<b>Items to be evaluated:</b>	<b>Marks allocated</b>	<b>Marks obtained</b>	<b>Comments</b>
<b>Organoleptic Test</b>			
1. Wore the right PPEs <ul style="list-style-type: none"> <li>• Gloves</li> <li>• Apron or dust coat</li> <li>• Gumboots</li> </ul> (Award 1 mark per PPE)	<b>3</b>		
2. Assembled the materials required for the practical <ul style="list-style-type: none"> <li>• Milk sample (500ml)</li> <li>• Storage container</li> <li>• Towel</li> </ul> (Award 1 mark per material collected)	<b>3</b>		
3. Checked the hygiene of the container used and the material used. (Award 2 Marks or zero)	<b>2</b>		
4. Checked the color of the milk, any sediments present in the milk and measured the temperature of milk sample. (Award 3 Marks or zero)	<b>3</b>		
5. Measured the amount of milk to be used in the practical. (500ml)	<b>3</b>		

(Award 3 marks or zero)			
6. Observed the standard operating procedures for milk collection. (Award 2 Marks or zero)	<b>2</b>		
<b>Sub-total 1</b>	<b>16</b>		
<b>Lactometer testing</b>			
7. Assembled the required materials for the lactometer testing such as; <ul style="list-style-type: none"> <li>• Lactometer</li> <li>• Lactometer jar</li> <li>• Reference chart</li> <li>• Milk sample</li> <li>• Thermometer</li> <li>• Water and soap</li> </ul> (Award 1/2 marks for each material)	<b>3</b>		
8. Prepared the milk sample by mixing thoroughly to ensure uniformity. (Award 3 marks for the mixing)	<b>3</b>		
9. Observed hygiene of the lactometer and ensured its dry. (Award 2 marks or zero)	<b>2</b>		
10. Poured the milk sample into dry and clean lactometer jar to a level that the lactometer floats freely without touching sides. (Award 3 marks or zero)	<b>3</b>		
11. Gently lowered the lactometer into the milk, releasing it with care to prevent splashing or air bubbles. (Award 3 marks or zero)	<b>3</b>		
12. Measured the temperature of the milk using	<b>2</b>		

a thermometer. (Award 2 Marks or Zero)			
13. Recorded the lactometer readings when the lactometer was at rest. (Award 2 marks or zero)	2		
14. Interpreted the lactometer reading which corresponds to the specific density of the milk. (Award 3 marks or zero)	3		
15. Compared the readings with standard values or reference charts to determine the quality and potential adulteration of the milk sample. (Cow milk density ranges from 1.028-1.030g/cm <sup>3</sup> ) (Award 3 Marks or zero)	3		
<b>Sub-total 2</b>	<b>24</b>		
<b>Storage of Milk</b>			
16. Collected milk sample in the container and wiped it with hand towel. (Award 2 marks or zero)	2		
17. Closed the container properly to ensure no foreign materials can enter. (Award 2 marks or zero)	2		
18. Placed the container gently in the refrigerator (Award 2 marks or zero)	2		
19. Cleaned the equipment used in the practical and returned them into their appropriate storage facility (Award 2 Marks or zero)	2		
20. Observed standard operating procedures for milk testing.	2		

(Award 2 Marks or zero)			
<b>Sub-total 3</b>	<b>10</b>		
<b>TOTAL</b>	<b>50</b>		
<b>ASSESMENT OUTCOMES</b>			
<p>The candidate was found to be:</p> <p><b>Competent</b> <input type="checkbox"/>      <b>Not yet competent</b> <input type="checkbox"/></p> <p><i>(Please tick as appropriate)</i></p> <p><i>(The candidate is competent if she / he gets 50% or higher)</i></p>			
<b>Feedback from candidate:</b>			
<b>Feedback to candidate:</b>			
<b>Candidate's signature:</b>	<b>Date:</b>		
<b>Assessor's signature:</b>	<b>Date:</b>		